

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For Living Office use only				
International Application No.				
International Filing Date				
Name of receiving Office and "PCT International Application"				

according to the Patent Cooperation Treaty.	. [Name of receiving Office and "PCT International App		rnational Application"	
	Ţ.	Applicant's or agent's file (if desired) (12 characters ma			24477P117
BOX NO. I TITLE OF INVENTION METHOD AND APPARATUS FOR SIMULTANEOUS COLLECTION OF TIME RESOLVED INFRARED SPECTRAL INFORMATION FROM MULTIPLE SAMPLES					
Box No. II APPLICANT			<u> </u>		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) This person is also inventor.				person is also inventor.	
PURDUE RESEARCH FOUNDATION Telephone No.					•
Office of Technology Transfer				Facsimile No.	
1063 Hovde Hall	c			racsimile 140.	
West Lafayette, Indiana 47907 U	3			Teleprinter No.	
				refeprimer 140.	
Charles and of nationality		State (that is, co	ountry) of	residence:	
State (that is, country) of nationality: US			····- //		us
This person is applicant all designated for the purposes of:	all designated the United St	States except ates of America		United States America only	the States indicated in the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/C	OR (FURTI	HER) INVENT	OR(S)		
Name and address: (Family name followed by given medesignation. The address must include postal code and address indicated in this Box is the applicant's State (the of residence is indicated below) LAUTERBACH, Jochen A. 4308 Cathedral Court West Lafayette, Indiana 47906 U	ame: for a name of cou at is, country	legal entity, full o ntry. The country) of residence if no	official of the State	X applic	n is: cant only cant and inventor tor only (If this check-box ked, do not fill in below.)
State (that is, country) of nationality:		State (that is, c	ountry) of	residence:	
DE			•		US
This person is applicant all designated for the purposes of:	all designate the United S	d States except tates of America	X the	e United States America only	the States indicated in the Supplemental Box
X Further applicants and/or (further) inventors are indicated on a continuation sheet.					
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					
The person identified below is hereby/has been appoint of the applicant(s) before the competent International	Authorities	as:		gent _	common representative
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) 317-634-3456					
COLE, Troy J.				, <u>, , , , , , , , , , , , , , , , , , </u>	
WOODARD, EMHARDT, NAUGHTON, MORIARTY & MCNETT Bank One Center/Tower, Suite 3700 111 Monument Circle Facsimile No. 317-637-7561			37-7561		
Indianapolis, Indiana 46204 US SEE CONTINUATION TO BOX NO. IV C	N SHEET	NO. 4		Teleprinter No).
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the					
space above is used instead to indicate a special address to which correspondence should be sent.					

Sheet N	02
Continuation of Box No. III THER APPLICANT(S)	AND/OR (FURTHER) ENTOR(S)
If none of the following sub-boxes is used,	this sheet should not be included in the request.
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of co address indicated in this Box is the applicant's State (that is, count of residence is indicated below.) SNIVELY, Christopher M. 65932 McGregor Road Bellaire, Ohio 43906 US	This person is: This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)
State (that is, country) of nationality: US	State (that is, country) of residence: US
This person is applicant for the purposes of: all designated States all designated the United States	d States except tates of America
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of co address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) DICKE, Jan P. Stubenrauchstr, 12 Berlin, 14195 DE	legal entity, full official unity. The country of the who of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)
State (that is, country) of nationality: DE	State (that is, country) of residence: DE
	the United States except ates of America X of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of cot address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) OSKARSDOTTIR, Gudbjorg	intry. The country of the
State (that is, country) of nationality:	State (that is, country) of residence:
	d States except attes of America X the United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of cot address indicated in this Box is the applicant's State (that is, country of residence is indicated below.)	intry. The country of the
State (that is, country) of nationality:	State (that is, country) of residence:
	d States except ales of America and the United States the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated of	on another continuation sheet.

		specify on dotted line)		
Na	tiona	al Patent (if other kind of protection or treatment desired, spec	cify on dott	ted line).
囟		United Arab Emirates	⊠ LR	Liberia
		Albania	ίΣi Ls	Lesotho
	\mathbf{AM}	Armenia	X LT	Lithuania
X	ΑT	Austria	K LU	Luxembourg
赵	ΑU	Australia	🗓 LV	Latvia
Ø	ΑZ	Azerbaijan		Morocco
		Bosnia and Herzegovina		Republic of Moldova
X	BB	Barbados		Madagascar
ΙX	BG	Bulgaria		The former Yugoslav Republic of Macedonia
図	BR	Brazil		
云		Belarus	IXI MN	Mongolia
図	CA	Canada		Malawi
Ø		and LI Switzerland and Liechtenstein	X MX	Mexico
V	_	China	X NO	Mexico
	CR	Costa Rica	X NZ	
区区	CU	Cuba	IXI PL	Poland
凶	CZ	Czech Republic	X PT	Portugal
囡	DE	Germany	Z RO	Romania
铽	DK	Denmark	₩ RU	Russian Federation
X	DM	Dominica	⊠ SD	Sudan
	EE	Estonia	SE SE	Sweden
	ES	Spain	SG	Singapore
卤	Fl	Finland	Σί sı	Slovenia
図	GB	United Kingdom	⊠ sĸ	Slovakia
		Grenada	⊠ SL	Sierra Leone
Ø		Georgia	TJ	Tajikistan
図	GH	Ghana	Т ТМ	Turkmenistan
		Gambia	IX TR	Turkey
囡	HR	Croatia	Z TT	Trinidad and Tobago
X		Hungary	Z TZ	United Republic of Tanzania
	ID	Indonesia	X UA	Ukraine
र्द्ध	II.	Israel	⊠ uc	Uganda
双	IL IN	India	🖾 us	United States of America
	IS	Iceland	, , , ,	
衏	JР	Japan	⊠ uz	Uzbekistan
ाँश	KF.	Kenya	D VN	Viet Nam
		Kyrgyzstan	Ø YU	Yugoslavia
		Democratic People's Republic of Korea	IZ ZA	=
ہمر	N	Behociatic reopie's Republic of Rolea		Zimbabwe
対	VD	Republic of Korea	Check-l	boxes reserved for designating States which have
7		Kazakhstan		boxes reserved for designating States which have party to the PCT after issuance of this cheet:
_			DZ DZ	Algeria BZ Belize
		Saint Lucia	AG AG	Antigua & Barbuda
~	LK	Sri Lanka	/	

mental Box is not used, this sheet should not be inc

d in the request.

1. If, in any of the Boxes, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

- (i) if more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residences indicated below:
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Box No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than three earlier applications whose priority is claimed in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI;
- (vii) if, in Box No. VI, the earlier application is an ARIPO application: in such case, write "Continuation of Box No. VI", specify the number of the item corresponding to that earlier application and indicate at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed.
- 2. If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.
- 3. If the applicant claims, in respect of any designated Office, the benefits of provisions of the national law concerningnon-prejudicial disclosures or exceptions to lack of novelty: in such case, write "Statement concerning non-prejudicial disclosures or exceptions to lack of novelty" and furnish that statement below.

Continuation to Box No. IV Agent

WOODARD, Harold R.; EMHARDT, C. David; NAUGHTON, Joseph A., Jr.; MORIARTY, John V.; McNETT, John C.; HENRY, Thomas Q.; DURLACHER, James M.; REEVES, Charles R.; WAGNER, Vincent O.; ZLATOS, Steve; BEREVESKOS, Spiro; BAHRET, William F.; BROWNING, Clifford W.; FRISK, R. Randall; LUEDERS, Daniel J.; GANDY, Kenneth A.; THOMAS, Timothy N.; SISSELMAN, Kerry P.; JONES, Kurt N.; ALLIE, John H.; BANTA, Holiday W.; COLE, Troy J.; PAYNTER, L. Scott; LOWES, J. Andrew; MEYER, Charles J.; HARRIS, Darrin Wesley; SCHANTZ, Matthew R.; COY, Gregory B.; HIDAY, Lisa A.; DANILUCK, John V.; BROWN, Christopher A.; BRANNON, C. John; SCHWARTZ, Jason J.; USHER, Arthur J. IV; COLLIER, Douglas A.; SCHEPERS, Brad A.; TUCKER, R. Craig; STEVENS, Scott J.; MYERS, James B. Jr.; and ROWE, James L., all of Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

	31	Teel No	31. 70	244//FII/	
Box No. VI PRIORITY CL		Further price	ority are indicated	in the Supplemental Box.	
Filing date	Number		Where earlier applicat	ion is:	
of earlier application (day/month/year)	of earlier application	national application: country	regional application:* regional Office	international application: receiving Office	
item (1) (16.07.99)	60/144,302				
16 July 1999	60/144,302	US		·	
item (2) (28.02.00)	60/185,680	us			
28 February 2000	30, 103, 000				
	item (3)				
The receiving Office is requored for the earlier application(s) purposes of the present into				1), (2)	
* Where the earlier application is a Convention for the Protection of Inc	m 1919O application it is me	andatory to indicate in the S	unniemental Box at least or	ne country party to the Paris upplemental Box.	
	NAL SEARCHING AUT				
Choice of International Search	ing Authority (ISA) Rec	quest to use results of ea	rlier search; reference	to that search (if an earlier	
(if two or more International Season competent to carry out the interna	rching Authorities are sear itional search, indicate	ch has been carried out by o	r requested from the Interna	tional Searching Authority):	
the Authority chosen; the two-letter of	code may be used): Dai	e (day/month/year) July 1999	Number (16.07.99) 60	Country (or regional Office) 0 / 144 , 302 US	
ISA/ us		February 2000)/185,680 US	
Box No. VIII CHECK LIST	; LANGUAGE OF FILI	NG			
This international application co	s [.]	al application is accompa	nied by the item(s) mark	ed below:	
request	1. 🔀 fee calcul	_			
description (excluding sequence listing part)	. - '	2. separate signed power of attorney 3. copy of general power of attorney; reference number, if any:			
claims :	1 4. statemen	t explaining lack of signat	ture		
abstract :	_	ocument(s) identified in I	Box No. VI as item(s):		
drawings : 1	6. translatio	n of international applica	tion into (language):		
sequence listing part	7. Separate	indications concerning de	posited microorganism o	or other biological material	
of description : "	8. nucleotid	e and/or amino acid sequ	ence listing in computer	readable form	
		ecify): Transmittal	Letter (dup)		
Figure of the drawings which should accompany the abstract:	int	nguage of filing of the ernational application:	English		
Box No. IX SIGNATURE OF APPLICANT OR AGENT Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).					
	ne of the person signing and the		gns (if such capacity isnot obvi	ious from reading the request).	
Applicant(s): PURDUE RESEARCH FOUN	NDATION	Agent:	\cdot \bigcirc \prime	,	
LAUTERBACH, Jochen A.					
SNIVELY, Christopher M.					
DICKE, Jan P. OSKARSDOTTIR, Gudbjorg (Troy J. COLE)					
<u></u>	For r	eceiving Office use only			
Date of actual receipt of the international application:	purported	-		2. Drawings:	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:					
corrections under PCT Artic	4. Date of timely receipt of the required corrections under PCT Article 11(2):				
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid.				ed	
	For Inte	rnational Bureau use only	/		
Date of receipt of the record co	рру			•	

FEE CALCULATION SHEET Annex to the Request

For receiving Office use o	nly ————
International application No.	
Date stamp of the receiving Office	

Annex to the Request					
Applicant's or agent's file reference 7024477P117	Date stamp of the receiving Office				
Applicant PURDUE RESEARCH FOUNDATION, et al.					
CALCULATION OF PRESCRIBED FEES 1. TRANSMITTAL FEE	240 T				
2. SEARCH FEE International search to be carried out by US (If two or more International Searching Authorities are competent in relational specification, indicate the name of the Authority which is chosen to carry out the	International search to be carried out by US (If two or more International Searching Authorities are competent in relation to the international				
3. INTERNATIONAL FEE	∦ .				
Basic Fee The international application contains45_ sheets.					
first 30 sheets	427 bl 150 b2				
remaining sheets additional amount Add amounts entered at b1 and b2and enter total at B	577 B				
Designation Fees The international application contains 87 designations.					
8 x 92 = number of designation fees payable (maximum 10)	736 D				
Add amounts entered at B and Dand enter total at I (Applicants from certain States are entitled to a reduction of 75% international fee. Where the applicant is (or all applicants are) so entite total to be entered at I is 25% of the sum of the amounts entered at B is 25% of the amoun	of the led, the and D.)				
4. FEE FOR PRIORITY DOCUMENT (if applicable)	30 P				
5. TOTAL FEES PAYABLE	2283				
Add amounts entered at T, S, I and P, and enter total in the TOTAL	box TOTAL				
The designation fees are not paid at this time.					
MODE OF PAYMENT					
X authorization to charge bank draft X cheque cash postal money order revenue stamps	coupons other (specify):				
DEPOSIT ACCOUNT AUTHORIZATION (this mode of payment may not be available at all receiving Offices)					
The RO/ US is hereby authorized to charge the total fees	indicated above to my deposit account.				
(this check-box may be marked only if the hereby authorized to charge any deficiency deposit account.	conditions for deposit accounts of the receiving Office so permit) is or credit any overpayment in the total fees indicated above to my				
is hereby authorized to charge the fee for pro Bureau of WIPO to my deposit account.	eparation and transmittal of the priority document to the International				
23-3030 17 July 2000	VROY- (or				
Deposit Account No. Date (day/month/year)	Signature Troy(J. COLE, #35,102				